

STRUCTURE AND METHOD FOR SUPPORTING A FLEXIBLE SUBSTRATE

ABSTRACT OF THE INVENTION

5 A flexible liquid crystal display (LCD) substrate support
structure and a method of supporting a flexible LCD substrate during
fabrication have been provided. The method forms channels or
trenches in-between a rigid support substrate and the flexible LCD
substrate. A vacuum is created in the channels or trenches to pull
10 adhesive in. The adhesive formed in this manner contains no air or
water bubbles whose expansion in subsequent LCD fabrication
processes can destroy the integrity of thin film transistor films formed
on the flexible LCD substrate.

TOP SECRET B062660